

Media for freshwater, terrestrial, hot spring and salt water algae

URO–YT + Wheat

Prepare as for 100 mL URO medium. Add 10 mg yeast extract and 20 mg tryptone. Beforehand, sterilize wheat grains by dry heating (150°C, 30 min). Keep in a cool place. For use, add a grain of sterile wheat to 10 mL URO–YT medium.

Reference

Moriya, M., Nakayama, T., Inouye, I. 2000 Ultrastructure and 18S rDNA sequence analysis of *Wobblia lunata* gen. et sp. nov., a new heterotrophic flagellate (Stramenopiles, *incertae sedis*). *Protist*, **151**, 41-55.

URO

NH ₄ NO ₃	0.5 mg
β -Na ₂ glycerophosphate · 5H ₂ O	0.4 mg
MgSO ₄ · 7H ₂ O	1 mg
CaCl ₂ · 2H ₂ O	1 mg
KCl	0.1 mg
Thiamine HCl	1 µg
Vitamin B ₁₂	0.01 µg
Biotin	0.01 µg
Fe-EDTA	0.05 mg
PIV metals	0.1 mL
Distilled water	99.9 mL
pH 7.5 ¹⁾	

1) pH is adjusted to 7.5 with 0.1 mol/L HCl.

Reference

Kimura, B., Ishida, Y. 1985 Photophagotrophy in *Uroglena americana*, Chrysophyceae. *Jpn. J. Limnol.*, **46**, 315-318.

Nakahara, H., Sako, Y. 1987 2. Life history of freshwater phytoplankton [2. Tansui syokubutsu purankuton no seikatsushi]. In *Freshwater red tide [Tansui Akashio]*, Ed. by Kadota, H., Kôseisyu-Kôseikaku, Tokyo, p. 21-77 (in Japanese without English title).

P IV metals

Na ₂ EDTA · 2H ₂ O	100 mg
FeCl ₃ · 6H ₂ O	19.6 mg
MnCl ₂ · 4H ₂ O	3.6 mg
ZnCl ₂ ¹⁾	1.04 mg
CoCl ₂ · 6H ₂ O	0.4 mg
Na ₂ MoO ₄ · 2H ₂ O	0.25 mg
Distilled water	100 mL

1) In the NIES-Collection, 1.04 mg ZnCl₂ is replaced by 2.2mg ZnSO₄ · 7H₂O.

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Provasoli, L., Pintner, I. J. 1959 Artificial media for fresh-water algae: problems and suggestions. In *The Ecology of Algae. Spec. Pub. No. 2.*, Eds. by Tryon, C. A., Jr. & Hartmann, R. T., Pymatuning Laboratory of Field Biology, University of Pittsburgh, Pittsburgh, p. 84-96.